

# Converting Colors

$Yxy(88.6610, 0.2201, 0.2376)$

Have a look what the booklet for  
Yxy(88.6610, 0.2201, 0.2376)  
contains.

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# Color

**Yxy(81.1744, 0.2538, 0.3221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93F9FF
RGB	147, 249, 255
RGB Percent	58%, 98%, 100%
CMY	0.4233, 0.0235, 0.0001
CMYK	0.42, 0.02, 0.00, 0.00
HSL	183°, 100%, 79%
HSV	183°, 42%, 100%
XYZ	63.9617, 81.1744, 106.8800
YIQ	219.1860, -62.7180, -19.7580

# Conversions

## Conversions Part 2

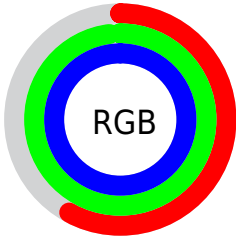
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 199, 255
Decimal	9697791
CIELab	92.21, -28.26, -12.20
CIELCh	92, 30.782, 203.346
Yxy	81.1744, 0.2538, 0.3221
Android (android.graphics.Color)	4287887871 (0xFF93F9FF)
YUV	219.1860, 17.6563, -63.3071
Hunter-Lab	90.0968, -30.9484, -7.2667

# Details

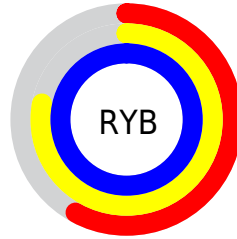
The Yxy color **81.1744, 0.2538, 0.3221** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.1561, 0.4210, 0.3356**, and the grayscale version is **70.8917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **43.8512, 0.2413, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **78.2055, 0.2434, 0.3202**, and if you desaturate by 10%, it is **84.6785, 0.2658, 0.3239**.

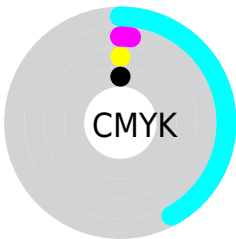
# Distribution



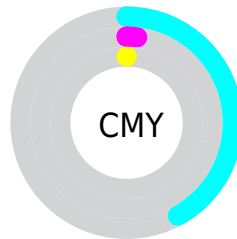
- Red (58%)
- Green (98%)
- Blue (100%)



- Red (58%)
- Yellow (78%)
- Blue (100%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1744, 0.2538, 0.3221 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 81.1744, 0.2538, 0.3221 by changing the saturation by 10% instead.





 81.1744, 0.2538,  
0.3221


 81.1744, 0.2538,  
0.3221


498.8819, 0.2800,  
0.3259

 60.6852, 0.2481,  
0.3211


 135.0156, 0.2627,  
0.3235

 43.9712, 0.2411,  
0.3199


 169.1365, 0.2662,  
0.3240

 30.6479, 0.2326,  
0.3182


208.5700, 0.2692,  
0.3244

 20.3309, 0.2217,  
0.3159

253.7006, 0.2719,  
0.3248

 12.6358, 0.2075,  
0.3125

304.9128, 0.2743,  
0.3251

 7.1782, 0.1883,  
0.3072

362.5907, 0.2764,

 3.5738, 0.1612,

0.3254

0.2982

427.1190, 0.2783,  
0.3256

■ 1.4381, 0.1167,  
0.2821

■ 0.2446, 0.0000,  
0.1782

■ 81.1744, 0.2538,  
0.3221

■ 81.1744, 0.2538,  
0.3221

■ 78.2055, 0.2434,  
0.3202

■ 84.6785, 0.2658,  
0.3239

■ 75.7275, 0.2349,  
0.3184

■ 88.7401, 0.2792,  
0.3256

■ 73.7044, 0.2284,  
0.3165

■ 93.3916, 0.2938,  
0.3272

■ 72.0910, 0.2238,  
0.3146

■ 98.6600, 0.3091,  
0.3287

■ 70.8327, 0.2210,  
0.3127

99.9982, 0.3127,  
0.3290

■ 70.0456, 0.2198,  
0.3113

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1744, 0.2767, 0.3567



81.1744, 0.2538, 0.3221



81.1744, 0.2461, 0.2921

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1744, 0.2538, 0.3221



81.1744, 0.3123, 0.2815



81.1744, 0.3727, 0.3833

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.1744, 0.2538, 0.3221



46.1561, 0.4210, 0.3356

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1744, 0.3841, 0.3599



81.1744, 0.2538, 0.3221



81.1744, 0.3482, 0.3028

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1744, 0.2538, 0.3221



81.1744, 0.2784, 0.2710



81.1744, 0.3751, 0.3308



81.1744, 0.3452, 0.3932

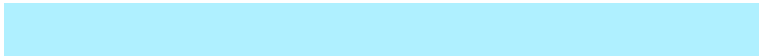


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1744, 0.2538, 0.3221



81.1744, 0.2501, 0.2787



81.1744, 0.3751, 0.3308



81.1744, 0.3787, 0.3766

# Sweetspot

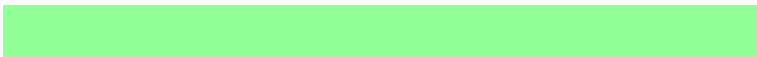
The Sweet Spot groups the original color and five complimentary colors.



81.1776, 0.2538, 0.3221



93.0808, 0.2927, 0.3271



79.9927, 0.3039, 0.4545



19.6941, 0.2895, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

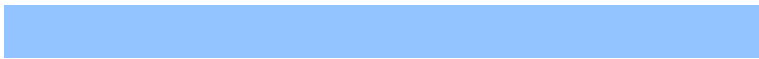
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1776, 0.2538, 0.3221



78.5891, 0.2447, 0.3205



52.7352, 0.2431, 0.2577



20.2989, 0.2980, 0.3276



36.6839, 0.2199, 0.3116



3.6223, 0.2205, 0.3137



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.9800, 0.3226, 0.2297



42.6796, 0.3248, 0.2117



67.7040, 0.3959, 0.3903



18.2820, 0.3147, 0.3069



14.4312, 0.3353, 0.1621

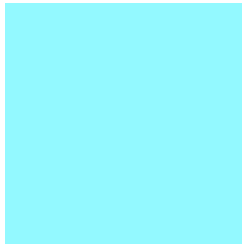


1.4102, 0.3335, 0.1611



# Previews

## White Background



This preview shows how the Yxy color 81.1744, 0.2538, 0.3221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

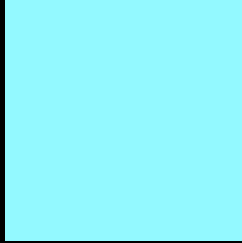
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1744, 0.2538, 0.3221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

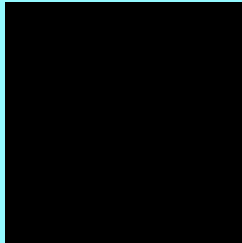
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1744, 0.2538, 0.3221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1744, 0.2538, 0.3221.

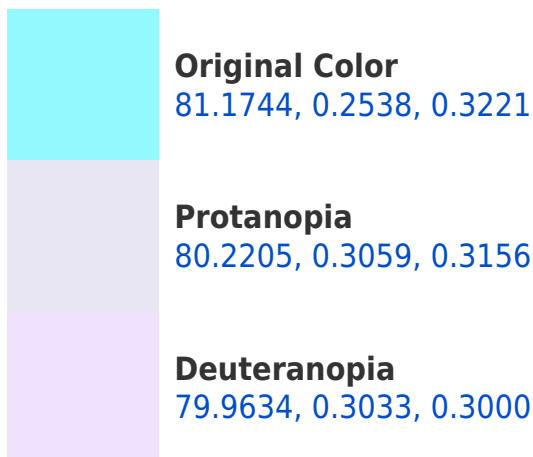


This preview shows how white text looks on a background with the Yxy color 81.1744, 0.2538, 0.3221.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





## Tritanopia

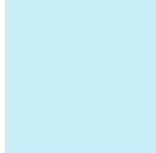
80.9146, 0.2707, 0.3148

# Trichromacy



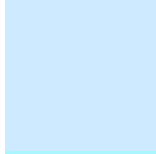
## Original Color

81.1744, 0.2538, 0.3221



## Protanomaly

79.7013, 0.2841, 0.3182



## Deuteranomaly

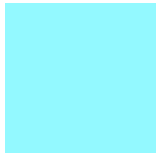
79.1874, 0.2825, 0.3067



## Tritanomaly

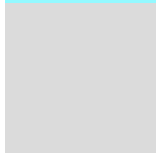
81.1827, 0.2643, 0.3179

# Monochromacy



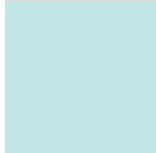
## Original Color

81.1744, 0.2538, 0.3221



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.7573, 0.2873, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1744, 0.2538, 0.3221 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(147, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 249, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(147, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1744, 0.2538, 0.3221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 249, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(147, 249, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(147, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1744, 0.2538, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 249, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(147,  
249, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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